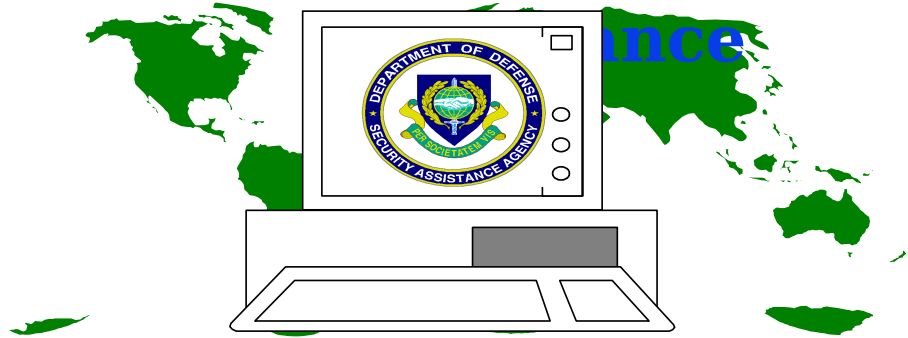




DSAMS

Information Serving Security



Defense Security Assistance Management System

Nels Berdahl

Information Spectrum, Inc.

DSAMS Training Support Contractor

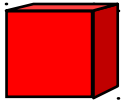
Nels.Berdahl@DSADC.DSCA.OSD.MIL

717-605-9041

1 Jun 2000

DLA Expo

DSAMS... Information Serving Security Assistance



ARMY **Conce**

CISIL

SA3 *

pt
ASATMS

SACTS *

NAVY

MISIL

NSADS *

STATIS

AIR FORCE

CMCS **

SAMIS

TRACS

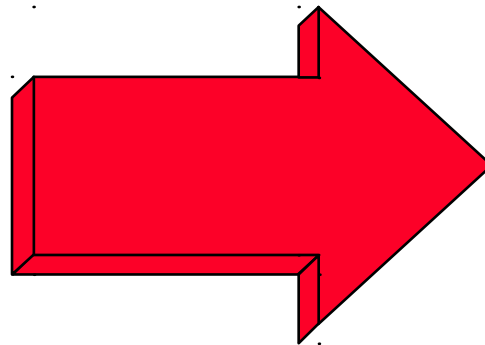
DSCA

DSCA 1000

DSCA 1200

DSCA FMF

13 existing legacy systems are expensive to maintain, are aging, have poor interfaces, and are non-standard

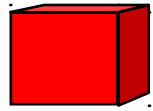


DSAMS

*** = Already completely replaced by DSAMS**

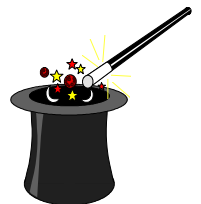
**** = Some functionality already replaced by DSAMS**

DSAMS... Information Serving Security Assistance

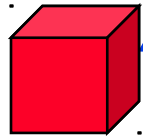


Goals

- **Build a single system (DSAMS) by integrating best features of existing systems & new technology into a new standard DoD system**
- **Reduce costs by replacing all or part of 13 existing systems**
- **Improve customer support & reduce costs by standardizing/re-engineering business processes across MILDEPs/DLA/DFAS/DSCA**
- **Improve information services by logically consolidating Security Assistance information into the same arena**

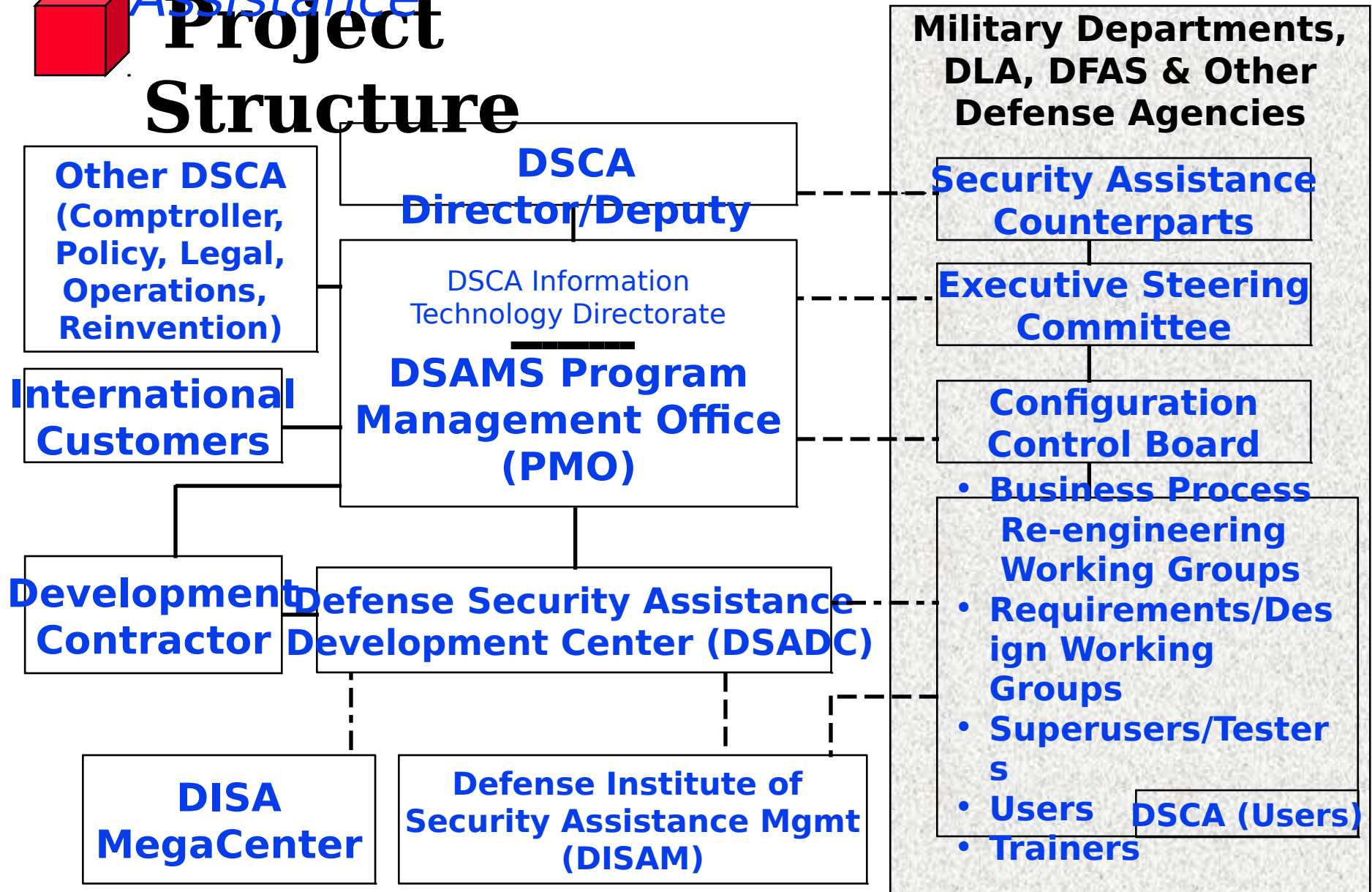


DSAMS...Information Serving Security



Assistance

Project Structure



Current Technical Architecture

✓ Data population from 7 systems:

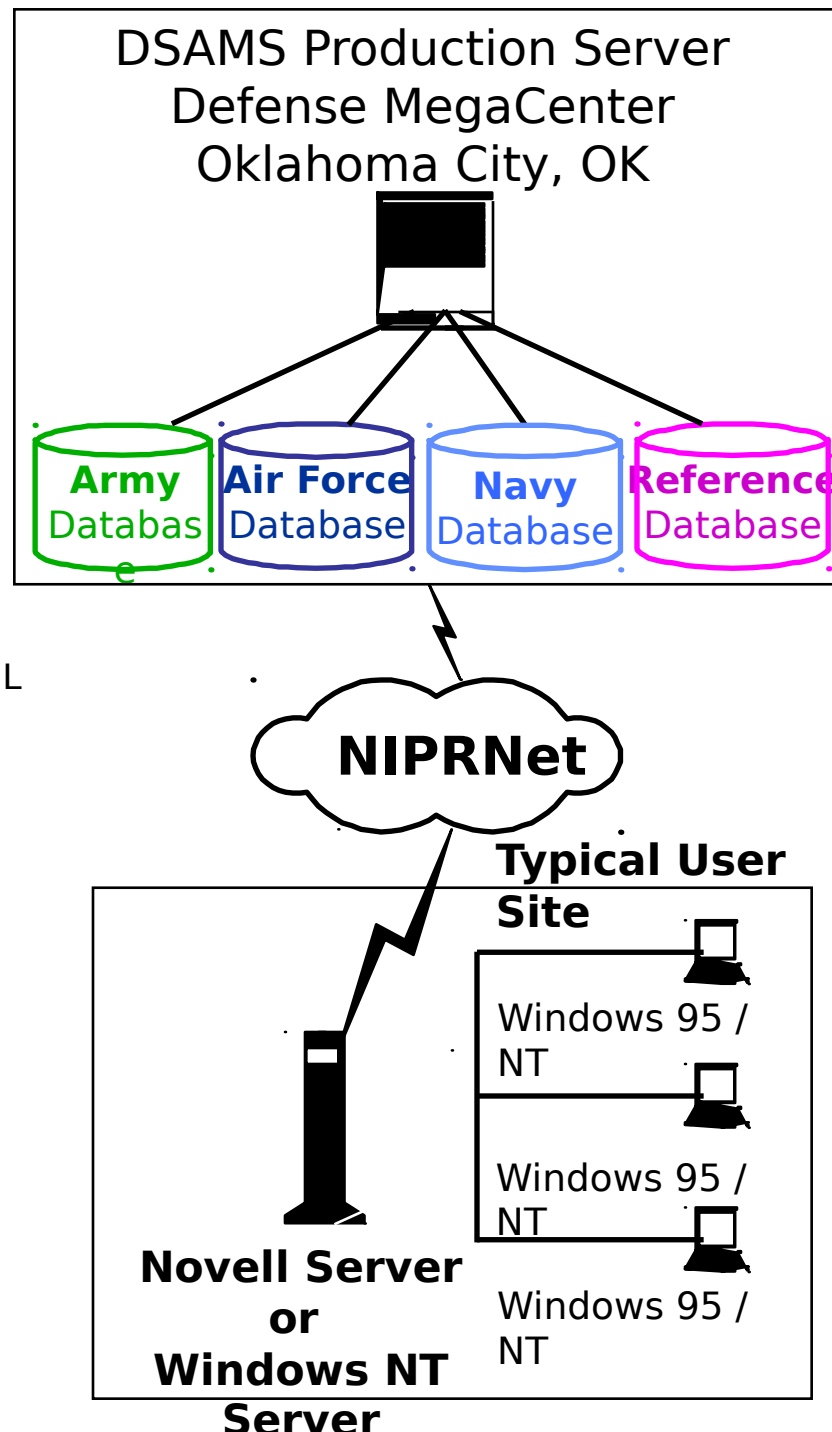
Army: SA3, SACTS, CISIL
Navy: NSADS, MISIL
Air Force: CMCS

✓ Multiple external interfaces to 5 legacy systems:

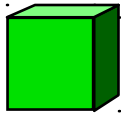
Army: CISIL
Navy: MISIL
Air Force: CMCS
DSCA/State: 1200, ACAS

✓ 65+ sites (2000 users) for first DSAMS module

DSCA, DSAMS PMO, 04/12/2000

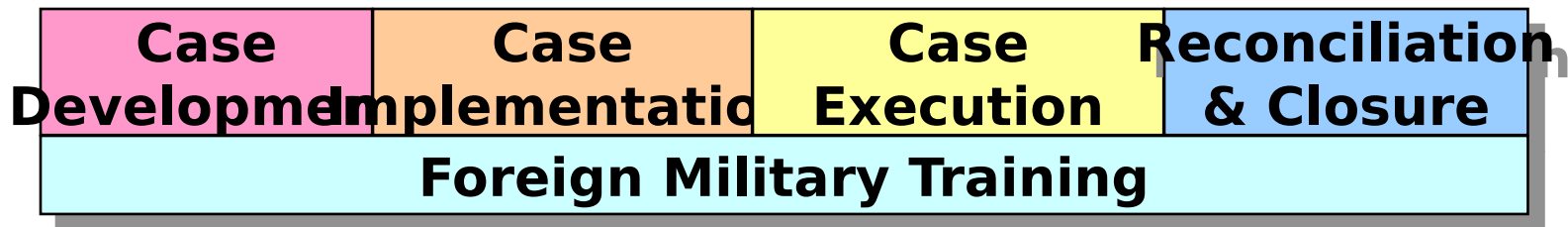


- HP9000 V2250 Unix server hosts data bases & business rules
- Oracle data base
- Forté applications
- Perl scripts
- Impromptu ad hoc reporting
- Windows 95/NT client

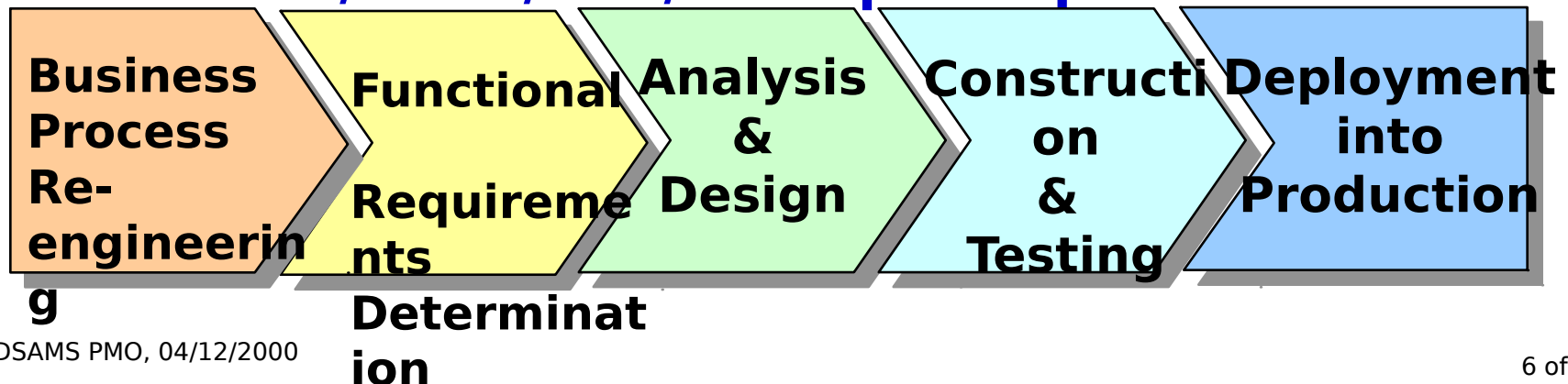


Approach

- Building incrementally following core Security Assistance business processes:



- Following structured development approach, using a **team** of government/contractor developers, with extensive MILDEP/DSCA/DLA/DFAS participation:



Subject View Workflow Options Window Help

New ▶

Open ▶

Close Ctrl+F4

Copy Case

Copy Case Line

Copy Case Line Pricing

Interface Log

Exit Alt+F4

Customer Request

Case ▶

Profile ▶

Reference ▶

Reference Codes

Detail

Remarks

Milestones

Target Value Distribution

Line List

Line

Subline

Line Price Estimation

Subline Price Estimation

Line FAw Justification

Subline FAw Justification

Line Remarks

Subline Remarks

Line Milestones

Payment Schedule

Note List

Note

Attachment List

Attachment

Customer Supplied Information

***Typical menu
screen in DSAMS***



Sample DSAMS detail screen: Pricing a Case

Primary Categories

Indirect Pricing Components

IPC Cost Basis

Line/Subline No. 001

Primary Category Procurement

☐ Pending Recalculation

Base Quantity

1

Base Unit Price

10,000,000

IPC No.	Status	Price Element	Fund	%	Waived Cost	IPC Unit Cost	IPC Total Cost
---------	--------	---------------	------	---	-------------	---------------	----------------

A0510	OP	CX	TF	0.5	N/A	\$50,000.00	\$50,000.00
A0520	AP	CX	TF	0.5	N/A	\$50,000.00	\$50,000.00
A0530	AP	CX	TF	0.5	N/A	\$50,000.00	\$50,000.00
A0610	NA	RD	3041	N/A	N/A	N/A	N/A
A1520	NA	OS	8242	N/A	N/A	N/A	N/A
A3010	AP	LS	TF	0	N/A	\$0.00	\$0.00
B0210	AP	TF	4EBT	2.5	N/A	\$253,750.00	\$253,750.00
B0410	AP	TF	4EBT	0	N/A	\$0.00	\$0.00

Add

Del

IPC

B0210



Administrative Charge

Percent

2.5

Status

AP



Apply

Waived Cost

N/A

IPC

TF



Charges Applied by DFAS-DE/I

IPC Unit Cost

253,750

Price Element

IPC Fund

4EBT



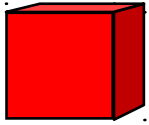
SAAC

Remaining Program Value

N/A

Budget Value

N/A

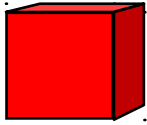


Impact on the International Customer

- Main impact on the Customer is in the Case Execution area; customers have been indirectly represented via MILDEP business process standardization/re-engineering working groups
- A *Customer Interface Group* was established among the MILDEPs and DSCA in 1997
- First customer survey performed in Nov 97; gathered information on customer capabilities (e.g., hardware, networks, Internet, STARR/PC, access to legacy systems)
- Initial customer briefings were held in Philadelphia, New Cumberland, Dayton and Arlington in Nov 98; 114 customers from 47 different countries were briefed
- The *International Customer User Group (ICUG)*, with approx 10 customer representatives from the 3 ILCOs and linkage to the embassy community, meets approximately once a quarter; minutes are posted on

the DSAMS web site

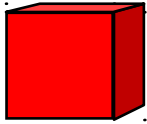




Functionality Included Now

(up through Case Development Module, Release 5)

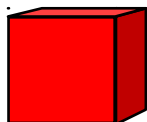
Establishment of Letter of Request (LOR)	<i>Provides for tracking of LOR and initializing a case from it</i>
Letter of Offer & Acceptance (LOA), Amendments, Modifications	<i>Includes Pricing, Payment Schedule development, and creation of legal document</i>
Planning Cases	<i>Price & Availability (P&A)</i>
Model Cases	<i>What-if scenarios</i>
Profiles	<i>Templates for specific types of cases & weapon systems; helps build cases faster and more accurately</i>
Management Reports	<i>Over 85</i>
Reference Tables	<i>Examples:, country, MASL, standard payment curves, delivery term codes</i>
System Infrastructure	<i>Examples: security, on-line help</i>



Functionality Coming Soon

(in Case Implementation Module, Release 6; projected for Summer 2000)

Customer Acceptance Processing	<i>Includes assignment of various codes needed for subsequent logistics/financial execution; on-line MAPAD</i>
Case Implementation,	<i>Implements documents in DSAMS with interfaces to legacy systems</i>
Leases	<i>Provides for the creation, management, amendment & reporting of Leases</i>
Letters of Intent (LOIs)	<i>Provides for the creation, management & amendment of LOIs with linkage to LOAs</i>
Default Milestones	<i>Allows a set of milestones to be automatically established for a case</i>
Management Flags	<i>Provides e-mail notices/alerts to users, based on their case role, when specified milestones/events occur</i>
Concurrent Documents	<i>Provides for linking modifications to allow funding for one case from others</i>
Incorporation of DSCA policy	<i>MASL descriptions; OA control; Signed copy distribution</i>
Various Release 5 improvements	<i>Examples: interfaces; pricing calculations; automatic status changes; reports</i>

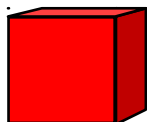


Functionality in Training

(Releases 7 and 8)

Module

Course Scheduling	<i>Provide capability to request quotas, schedule & register students</i>
Pricing Calculations	<i>Provide calculations for the pricing of training lines, including TLA, medical costs, etc.</i>
IMET Program	<i>Provide functionality to support the creation & maintenance of the International Military Education & Training Program</i>
INL, 1004, 506	<i>Provide functionality to support the creation & maintenance of Training programs from these fund sources</i>
Invitational Travel Orders (ITOs)	<i>Capture electronic ITO data from SAOs and make available to Training Activities & schoolhouses (reduce duplicative data entry)</i>
SATT Management	<i>Provide capability to estimate prices, schedule & manage Security Assistance Training Teams</i>
Sanctions/Waivers/Disclosure	<i>Determine eligibility of students from a given country for training</i>

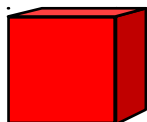


Functionality in “Release 9”

(DSCA HQ and Foreign Assistance Act Programs)

Presidential Determinations	<i>Examples: 506 drawdowns, Peacekeeping Operations</i>
Excess Defense Articles	<i>Potential inclusion of allocation, survey and coordination functions</i>
Case Tracking & Coordination	<i>Standardized timeframes for case development activities from LOR to Implementation; will allow for development of standardized metrics</i>

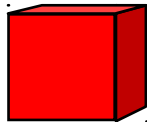
Systems Affected:	<i>DSCA 1000 DSCA 1200 ACAS (interface with State Department) DSCA EDA System DSCA Case Tracking System Army's CISIL Air Force's SAMIS</i>
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Functionality in Case Execution

(1 of 2)

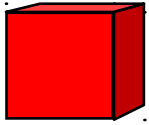
	✓ Core Functions ❖ Some Additional Features Targeted
Process Material/Service Orders of All Kinds	✓ <i>Stock, publications, non-standard, CLSSA, contract, repair, ammo, tech services</i> ❖ Fully electronic non-standard requisitions; automated country suspension process
Fulfill Orders	✓ <i>Supply/shipment status; freight tracking; follow-ups; cancellations; delivery reporting</i> ❖ Material Obligation Validation (MOV) process for FMS; enhanced freight tracking; use of depot shipment source data; use of codified remarks to “correspond” electronically with FMS customer & suppliers
Manage Acquisitions	✓ <i>Track contracts & other funding documents</i> ❖ More contract vendor info; provides Navy’s contract accounting process features to all MILDEPs; automated DD250 shipment information processes



Functionality in Case Execution

(2 of 2)

	✓ Core Functions ❖ Some Additional Features Targeted
Manage Finances	✓ <i>Manage obligational authority (OA), commitments, obligations and billing</i> ❖ OA control at Case Line level; interface with DFAS Corporate Database (DCD); preliminary validation of Interfund bills
Supply Discrepancy Reports (SDRs)	✓ <i>Process/fulfill SDRs</i> ❖ Virtually paperless with fully electronic submission capabilities; electronic signatures allowed; will include expert system software; will interface with other DoD SDR Tracking & Resolution Systems
Administer Case	✓ <i>Management alerts; project directives; review & analysis reporting</i> ❖ Standardized report formats and information tools for all reviews (e.g., CMRs, PMRs, FMRs); standardized tri-service data definitions for communicating with FMS customer



Benefits *(some examples of overall benefits)*

Consolidated Data

DSAMS allows more consistency across organizations since all view same info a single place. Common reference data (e.g., country info, addresses, MASLs) is maintained centrally. The need for reconciliation is reduced considerably.

Quality of Data Improved

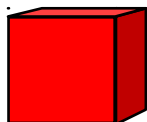
DSAMS validates data at field, window and Case level to ensure consistent business rules are followed, ultimately resulting in less rework and improved report accuracy.

Fewer Systems to Change or Update

As a result of normal business operations (e.g., country suspensions or SAMM changes) or because of significant business process changes (e.g., FMS Reinvention, Defense Reform Initiatives), the number of systems requiring changes/updates is reduced, thus reducing maintenance costs.

Standard View to the Customer

Screens, reports and interfaces are created using standard business rules, formats, terms, definitions and calculations.



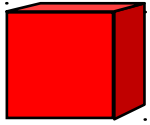
Benefits (some examples of **specific** benefits)

Faster Building of FMS Cases

- Automatic assignment of Standard Notes to cases based on pre-established criteria. The Army, for example, formerly required users to hunt through 300+ Standard Notes to select the appropriate notes based on the type of sale.
- Existing cases/lines with similar pricing, payment schedules, notes and/or attachments can be *re-used* by copying a specific case or using case/line *profiles* (templates)

Current Implemented Version View of Data

- Case performance runs from 1 to 15 years with several amendments/modifications the norm. In the past, significant time was spent determining the *history* of changes and the current case status (e.g., which lines were added/modified/ deleted, where money was moved, which notes were added/deleted, etc.).
- With DSAMS, users can retrieve the Current Implemented Version and quickly see the *net* of all changes, including which amendment/modification caused specific changes.



Challenges

- Getting organizations to adopt new ways of doing business



✓ *Takes time but it is happening*



- Legacy data conversion

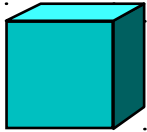
✓ *Old business rules are erroneous or not aligned with current policy; problem fortunately goes down over time*

- Large changes in interfacing systems (e.g., DFAS accounting systems, MILDEP logistics systems)

✓ *Staying tuned in and actively represented on boards and committees*

- Other “normal” change (technology, people, policy, resources)

✓ *Anticipate, assess and make adjustments as*



Release History

Release 2

- Case Development functionality for part of Navy
- ✓ Deployed in Feb 1998 to 3 Navy sites (Navy IPO, NAVICP, NETSAFA)
- ✓ **First live use of DSAMS**

Release 3

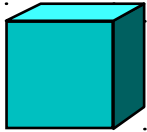
- Case Development functionality for Army and rest of Navy
- ✓ Deployed to 3 Navy sites in May 1998

Release 4

- A technical release to upgrade the commercial software DSAMS uses to Year 2000-compliant versions; no substantial functionality added (i.e., same functionality as Release 3)
- ✓ Deployed to 3 Navy sites in Sep & Nov 1998
- ✓ Deployed to all Army sites and minor implementing agencies on 14 Dec 1998

Release 5

- Case Development functionality for Air Force (but used by all MILDEPs)
- ✓ Deployed to 3 Navy sites & all Army sites on 20 Jan 1999; rest of Navy on 12 Apr 99; all Air Force on 6 Jul 99



Current Status (1 of 3)

(12 April 2000)

Release 5

Live Version

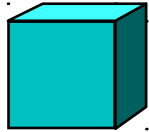
- Case Development functionality

- ✓ In use at all Army, Navy & Air Force sites and DSCA
- ✓ Current version is 5.08
- ✓ Certified for Y2K compliance
- ✓ 3 legacy systems eliminated

Release 6

- Case Implementation functionality and additional case development functionality
- DSAMS releases from this point forward are for **all** MILDEPs

- ✓ First round of user testing completed; fixes being incorporated
- ✓ Currently scheduled for deployment to all sites in Summer 2000
- ✓ First interface with DFAS



Current Status (2 of 3)

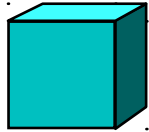
(12 April 2000)

Releases 7/8

- Functionality for the foreign military Training community to develop, implement and execute all Security Assistance training
- R7 = Adds Training-unique functionality to Case Development and Case Implementation
- R8 = Adds Case Execution functionality contained in legacy Training systems
- ✓ R7: Design complete; now in Construction phase (40% complete)
- ✓ R8: Analysis complete; now in Design phase
- ✓ Both Releases currently scheduled for availability in mid-2001

"Release 9"

- DSCA HQ & Foreign Assistance Act programs
- Nominally termed "Release 9", but no specific deployment plans have been set yet
- ✓ Business process requirements gathering and standardization occurring
- ✓ Standardization largely complete for *drawdowns*; now undergoing Current Systems Analysis



Current Status (3 of 3)

(12 April 2000)

Case Execution

Functionality:

- **Process Materiel/Service Orders of All Kinds**
 - **Fulfill Orders**
 - **Manage Acquisitions**
 - **Manage Finances**
 - **Process/Fulfill SDRs**
 - **Administer Case**
- ✓ Multiple working groups represented by DSCA, MILDEPs, DLA and DFAS continue to standardize/re-engineer business processes
 - ✓ A long process, but substantial standardization has been achieved
 - ✓ Results are documented in extensive **SPINE** (Standard Processes **IN** Execution) files
 - ✓ The plan for the remainder of FY00 is to integrate proposed business processes, tie down loose ends, and ensure linkage with the FMS Reinvention Team



For More Information

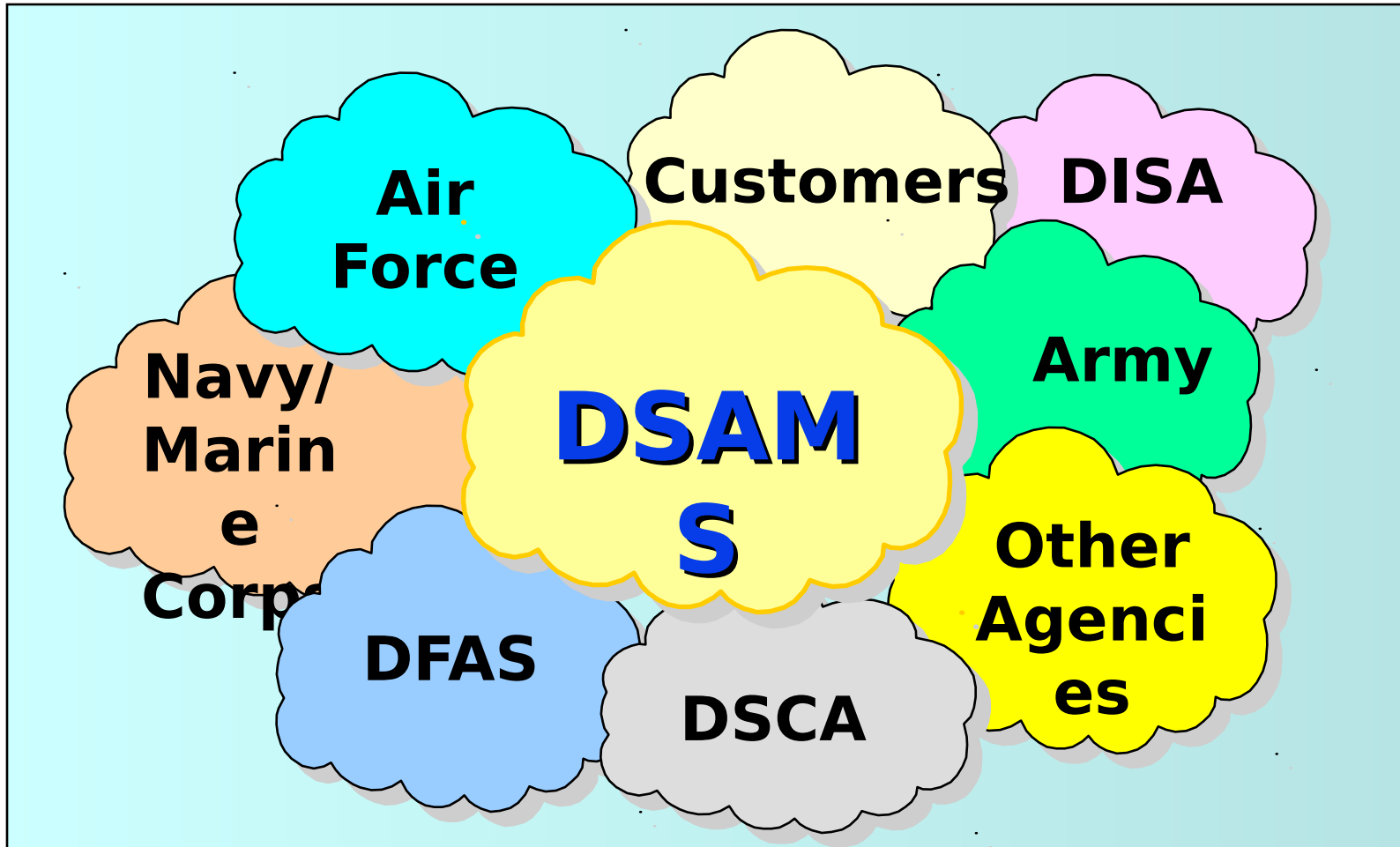
- The **DSAMS Dialogue** -- a monthly newsletter with summary information about DSAMS events
- The **DSAMS Web page**, which provides copies of the *DSAMS Dialogue* and is being expanded to provide more project information. Address:

<http://dsams.dsca.osd.mil>

- **DISAM Journal** articles (Summer 1998, Fall 1998)
- The **DSAMS Program Management Office** at DSCA: 703-601-3836
- E-mail for customers:

customer@dsams.dsca.osd.mil

DSAMS



Building a Better System Together